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NEWS 1 Web Page for STN Seminar Schedule - N. America  
NEWS 2 MAY 01 New CAS web site launched  
NEWS 3 MAY 08 CA/CAPplus Indian patent publication number format defined  
NEWS 4 MAY 14 RDISCLOSURE on STN Easy enhanced with new search and display fields  
NEWS 5 MAY 21 BIOSIS reloaded and enhanced with archival data  
NEWS 6 MAY 21 TOXCENTER enhanced with BIOSIS reload  
NEWS 7 MAY 21 CA/CAPplus enhanced with additional kind codes for German patents  
NEWS 8 MAY 22 CA/CAPplus enhanced with IPC reclassification in Japanese patents  
NEWS 9 JUN 27 CA/CAPplus enhanced with pre-1967 CAS Registry Numbers  
NEWS 10 JUN 29 STN Viewer now available  
NEWS 11 JUN 29 STN Express, Version 8.2, now available  
NEWS 12 JUL 02 LEMBASE coverage updated  
NEWS 13 JUL 02 LMEDLINE coverage updated  
NEWS 14 JUL 02 SCISEARCH enhanced with complete author names  
NEWS 15 JUL 02 CHEMCATS accession numbers revised  
NEWS 16 JUL 02 CA/CAPplus enhanced with utility model patents from China  
NEWS 17 JUL 16 CAPplus enhanced with French and German abstracts  
NEWS 18 JUL 18 CA/CAPplus patent coverage enhanced  
NEWS 19 JUL 26 USPATFULL/USPAT2 enhanced with IPC reclassification  
NEWS 20 JUL 30 USGENE now available on STN  
NEWS 21 AUG 06 CAS REGISTRY enhanced with new experimental property tags  
NEWS 22 AUG 06 BEILSTEIN updated with new compounds  
NEWS 23 AUG 06 FSTA enhanced with new thesaurus edition  
NEWS 24 AUG 13 CA/CAPplus enhanced with additional kind codes for granted patents  
NEWS 25 AUG 20 CA/CAPplus enhanced with CAS indexing in pre-1907 records  
  
NEWS EXPRESS 29 JUNE 2007: CURRENT WINDOWS VERSION IS V8.2,  
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 05 JULY 2007.  
  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS LOGIN Welcome Banner and News Items  
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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\* \* \* \* \* STN Columbus \* \* \* \* \*

=> file medline, uspatful, dgene, embase, wpids, biosis, scisearch		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.42	0.42

FILE 'USPATFULL' ENTERED AT 11:09:22 ON 20 AUG 2007  
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```
=> file medline, (osteochondral graft and BMP)
'OSTEOCHONDRA' IS NOT A VALID FILE NAME
Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files
that are available. If you have requested multiple files, you can
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ENTER A FILE NAME OR (IGNORE):end
```

```
=> s (osteochondral graft and BMP)
L1          27 (OSTEOCHONDRAL GRAFT AND BMP)

=> s l1 and (applied to graft)
L2          0 L1 AND (APPLIED TO GRAFT)

=> s l1 and (repair articular cartilage)
L3          3 L1 AND (REPAIR ARTICULAR CARTILAGE)

=> d l3 ti abs ibib tot
```

L3 ANSWER 1 OF 3 USPATFULL on STN  
TI Shaped osteochondral grafts and methods of using same  
AB Described are plug grafts and in particular embodiments osteochondral  
plug grafts and grafting methods which utilize unique plug geometries  
and cooperative graft/host tissue interfaces to improve stability of  
grafted plugs within host tissue. Embodiments of the invention include  
harvested osteochondral or synthetic plug grafts having bore geometries  
other than circular cylinders and which are implantable in  
correspondingly prepared host sites to resist rotation and improve  
stability.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 ACCESSION NUMBER: 2006:289794 USPATFULL  
 TITLE: Shaped osteochondral grafts and methods of using same  
 INVENTOR(S): McKay, William F., Memphis, TN, UNITED STATES

NUMBER	KIND	DATE
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PATENT INFORMATION: US 2006247790 A1 20061102  
 APPLICATION INFO.: US 2005-120136 A1 20050430 (11)  
 DOCUMENT TYPE: Utility  
 FILE SEGMENT: APPLICATION  
 LEGAL REPRESENTATIVE: WOODARD, EMHARDT, MORIARTY, MCNETT & HENRY LLP, 111  
 MONUMENT CIRCLE, SUITE 3700, INDIANAPOLIS, IN,  
 46204-5137, US  
 NUMBER OF CLAIMS: 91  
 EXEMPLARY CLAIM: 1  
 NUMBER OF DRAWINGS: 6 Drawing Page(s)  
 LINE COUNT: 912  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 2 OF 3 USPATFULL on STN  
 TI Trabecular bone-derived human mesenchymal stem cells  
 AB The present invention discloses an in vitro engineered  
 osteochondral graft comprising a porous matrix block,  
 more particularly, a porous polylactic acid polymer block, press-coated  
 with mesenchymal stem cells (MSCs), wherein a cartilage layer is formed  
 on the surface of the matrix block. This invention may be used for  
 treating articular cartilage defects.

ACCESSION NUMBER: 2003:72422 USPATFULL  
 TITLE: Trabecular bone-derived human mesenchymal stem cells  
 INVENTOR(S): Noth, Ulrich, Wurzburg, GERMANY, FEDERAL REPUBLIC OF  
 Tuan, Rocky S., Chester Springs, PA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003050709	A1	20030313
APPLICATION INFO.:	US 2002-82705	A1	20020225 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-270977P	20010223 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	David S. Resnick, NIXON PEABODY LLP, 101 Federal Street, Boston, MA, 02110	
NUMBER OF CLAIMS:	28	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	5 Drawing Page(s)	
LINE COUNT:	852	

L3 ANSWER 3 OF 3 USPATFULL on STN  
 TI Scaffold matrix and tissue maintaining systems  
 AB The invention concerns a scaffold which is used as a growth supportive  
 base for various cells and tissue explants from three-dimensional tissue  
 comprising naturally derived connective or skeletal tissue into attached  
 flakes having a very high porosity. Alternatively the scaffold is  
 composed of fused epiphyses.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2002:16925 USPATFULL  
 TITLE: Scaffold matrix and tissue maintaining systems  
 INVENTOR(S): Nevo, Zvi, Herzliya, ISRAEL  
 Robinson, Dror, Shimshon, ISRAEL  
 PATENT ASSIGNEE(S): RAMOT UNIVERSITY AUTHORITY FOR APPLIED RESEARCH &  
 INDUSTRIAL DEVELOPMENT LTD. (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002009805	A1	20020124

US 6652872                      B2    20031125  
APPLICATION INFO.:            US 2001-826389            A1    20010404    (9)  
RELATED APPLN. INFO.:       Continuation-in-part of Ser. No. US 1999-345138, filed  
                                 on 6 Jul 1999, PENDING  
DOCUMENT TYPE:                Utility  
FILE SEGMENT:                APPLICATION  
LEGAL REPRESENTATIVE:       LADAS & PARRY, 26 WEST 61ST STREET, NEW YORK, NY, 10023  
NUMBER OF CLAIMS:            32  
EXEMPLARY CLAIM:            1  
NUMBER OF DRAWINGS:          10 Drawing Page(s)  
LINE COUNT:                  903  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d his

(FILE 'HOME' ENTERED AT 11:08:27 ON 20 AUG 2007)

FILE 'MEDLINE, USPATFULL, DGENE, EMBASE, WPIDS, BIOSIS, SCISEARCH'  
ENTERED AT 11:09:22 ON 20 AUG 2007

L1            27 S (OSTEOCHONDRAL GRAFT AND BMP)  
L2            0 S L1 AND (APPLIED TO GRAFT)  
L3            3 S L1 AND (REPAIR ARTICULAR CARTILAGE)

=> s (BMP coated osteochondral graft)

L4            0 (BMP COATED OSTEOCHONDRAL GRAFT)

=> s (bone morphogenetic protein and coated graft)

L5            0 (BONE MORPHOGENETIC PROTEIN AND COATED GRAFT)

=> s (bone morphogenetic protein applied to graft)

L6            0 (BONE MORPHOGENETIC PROTEIN APPLIED TO GRAFT)

## Refine Search

### Search Results -

Terms	Documents
L6 and L3	1

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L7





### Search History

DATE: Monday, August 20, 2007

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Set Name Query  
side by side

Hit Count Set Name  
result set

DB=PGPB; PLUR=YES; OP=OR

L7 L6 and l3

1 L7

L6 peluso.in.

50 L6

DB=USPT; PLUR=YES; OP=OR

L5 L4s l3 and l2

18295 L5

DB=PGPB; PLUR=YES; OP=OR

L4 L3 and l2

0 L4

L3 Zhang.in.

9330 L3

DB=USPT; PLUR=YES; OP=OR

L2 L1 and (graft coated with BMP)

22665 L2

L1 (osteochondral graft) and (bone morphogenetic protein)

22739 L1

END OF SEARCH HISTORY

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**Search Results** - Record(s) 1 through 1 of 1 returned.

☐ 1. Document ID: US 20040192605 A1

L7: Entry 1 of 1

File: PGPB

Sep 30, 2004

PGPUB-DOCUMENT-NUMBER: 20040192605

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040192605 A1

TITLE: Methods and compositions for healing and repair of articular cartilage

PUBLICATION-DATE: September 30, 2004

**INVENTOR-INFORMATION:**

NAME	CITY	STATE	COUNTRY
<u>Zhang</u> , Renwen	Rutherford	NJ	US
<u>Peluso</u> , Diane	Marshfield	MA	US
Morris, Elisabeth	Sherborn	MA	US

US-CL-CURRENT: 514/12

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. D.
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Terms	Documents
L6 and L3	1

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